

**WHAT IS CLAIMED IS:**

1           1.     A multi-function tool, comprising:  
2                     a head having a first jaw and a second jaw joined at an axis,  
3     the first jaw having a working portion and a tang and the second jaw  
4     having a working portion and a tang;  
5                     a first handle coupled to the first jaw;  
6                     a second handle coupled to the second jaw, the handles  
7     having a folded configuration, and an unfolded configuration; and  
8                     a spring in the head biasing the working portions apart from  
9     one another, wherein the handles are biased in an open position when the  
10    handles are in the unfolded configuration and the handles are biased in a  
11    closed position when the handles are in the folded configuration.

*cl 11 81/300*

1           2.     The multi-function tool of claim 1, wherein the first jaw and the  
2     second jaw form a pair of pliers.

*do 1*

1           3.     The multi-function tool of claim 1, further comprising:  
2                     a tool cartridge captured in a channel in the first handle, the  
3     tool cartridge having a cartridge axle and a plurality of ancillary tools  
4     pivotally coupled to the cartridge axle.

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1           4.     The multi-function tool of claim 1, further comprising a  
2     plurality of ancillary tools pivotally coupled to the first handle.

*do 3*

1           5.     The multi-function tool of claim 1, further comprising:  
2                     a cam surface on each of the tangs; and  
3                     a spring arm coupled to each handle, each spring arm  
4     configured to engage one of the cam surfaces, wherein the handles snap  
5     into the folded configuration due to the interaction between the spring  
6     arm and the cam surface, and wherein the handles snap into the unfolded

*~cl 15 do 1*

7 configuration due to the interaction between the spring arm and the cam  
8 surface.

1           6.     A multi-function tool, comprising:  
2                 a head having a first jaw and a second jaw rotatably coupled  
3 to one another, the first jaw having a working portion and a tang and the *dt 12 30/194*  
4 second jaw having a working portion and a tang;  
5                 a first handle coupled to the first jaw;  
6                 a second handle coupled to the second jaw; and  
7                 a replaceable cutting insert coupled to the head, the cutting  
8 insert comprising two pieces, one coupled to each of the jaws, wherein  
9 the pieces each have a notch for stripping wires.

1           7.     The multi-function tool of claim 6, wherein the first jaw and the *7/132*  
2 second jaw form a pair of pliers.

1           8.     The multi-function tool of claim 6, further comprising:  
2                 a tool cartridge captured in a channel in the first handle, the *7/128 dt 3*  
3 tool cartridge having a cartridge axle and a plurality of ancillary tools  
4 pivotally coupled to the cartridge axle.

1           9.     The multi-function tool of claim 6, further comprising a *dt 3*  
2 plurality of ancillary tools pivotally coupled to the first handle.

1           10.    The multi-function tool of claim 9, wherein one of the *dt 3*  
2 ancillary tools is a pair of scissors.

1           11.    The multi-function tool of claim 6, further comprising:  
2                 a cam surface on each of the tangs; and  
3                 a spring arm coupled to each handle, each spring arm *dt 6*  
4 configured to engage one of the cam surfaces, wherein the handles snap  
5 into the folded configuration due to the interaction between the spring

6 arm and the cam surface, and wherein the handles snap into the unfolded  
7 configuration due to the interaction between the spring arm and the cam  
8 surface.

1 12. The multi-function tool of claim 6, wherein the two pieces of *d. 13*  
2 the cutting insert are coupled to the jaws with one or more screws. *dr 6*

1 13. A multi-function tool, comprising: *d. 14*  
2 a head having a first jaw and a second jaw;  
3 a first handle coupled to the first jaw, the first handle having *dr 1*  
4 a first channel;  
5 a second handle coupled to the second jaw, the second  
6 handle having a second channel, wherein the first and second handles  
7 each have a first side and a second side;  
8 the first side of each handle having a tongue; and  
9 the second side of each handle having a groove configured  
10 to receive the tongue.

1 14. The multi-function tool of claim 13, wherein the first jaw and *dr 6*  
2 the second jaw form a pair of scissors.

1 15. The multi-function tool of claim 13, further comprising:  
2 a tool cartridge captured in the first channel, the tool  
3 cartridge having a cartridge axle and a plurality of ancillary tools pivotally *dr 3*  
4 coupled to the cartridge axle.

1 16. The multi-function tool of claim 15, wherein the first channel *dr 3*  
2 includes a recess in a wall of the first channel, the recess corresponding  
3 in size to the tool cartridge.

1 17. The multi-function tool of claim 13, further comprising a *dr 3*  
2 plurality of ancillary tools pivotally coupled to the first handle.

1           18. A method of manufacturing or repairing the handle of a  
2 multi-function tool, the handle having a first side and a second side,  
3 comprising the steps of:  
4                 providing an interchangeable component;  
5                 inserting the interchangeable component between the two  
6 sides of the handle; and  
7                 fastening the handle sides together using a plurality of  
8 fasteners, whereby the interchangeable component is captured between  
9 the first and second sides.

*d* <sup>16</sup>  
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1           19. The method of manufacturing or repairing the handle of a  
2 multi-function tool of claim 18, wherein the interchangeable component is  
3 a tool cartridge having a plurality of ancillary tools.

*d* <sup>17</sup>

1           20. The method of manufacturing or repairing the handle of a  
2 multi-function tool of claim 18, wherein the first side has a flange with a  
3 tongue, and the second side has a flange with a groove, and further  
4 comprising the step of inserting the tongue into the groove.

*d* <sup>18</sup>